

Title (en)
FRACTIONAL FREQUENCY REUSE IN CELLULAR COMMUNICATION SYSTEMS WITH MULTIPLE COMPONENT CARRIERS

Title (de)
WIEDERVERWENDUNG VON TEILFREQUENZEN IN MOBILFUNKSYSTEMEN MIT MEHRKOMONENTENTRÄGERN

Title (fr)
RÉUTILISATION DE FRÉQUENCE FRACTIONNAIRE DANS DES SYSTÈMES DE COMMUNICATION CELLULAIRE À MULTIPLES PORTEUSES COMPOSANTES

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Application
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Abstract (en)
[origin: WO2011050854A1] First component carriers are determined from aggregated component carriers of a cellular communication system in accordance with a carrier frequency of the aggregated component carriers, wherein the first component carriers are to be re-used with a reuse factor of one by cells of the cellular communication system. For each of the cells, second component carriers are determined from the aggregated component carriers not determined as first component carriers, wherein the second component carriers are to be reused with a reuse factor greater than one. For each of the cells, users of the cellular communication system are classified as cell-edge users and cell-center users, for example in accordance with a G-factor of the users. The first component carriers are allocated to the cell-center users and the second component carriers are allocated to the cell-edge users.

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